

**Amendments to the Claims:**

This listing of the claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-10 (Canceled)

11. (Currently Amended) A gene fragment coding for a single chain Fv (hereinafter referred to as "scFv") of a human anti-human IL-6 antibody that binds to human IL-6 and ~~inhibits the biological activity thereof~~ to thereby block binding between IL-6 and its receptor,

said gene fragment consisting of a gene fragment coding for a VH chain of said human anti-human IL-6 antibody bound to a gene fragment coding for a VL chain of said human anti-human IL-6 antibody;

wherein complementarity determining regions (CDR1 to CDR3) of said VH chain have the following amino acid sequences:

CDR1: Lys Tyr Tyr Met Ala (SEQ ID NO: 5)

CDR2: Thr Ile Ser Asn Ser Gly Asp Ile Ile Asp Tyr Ala Asp Ser Val Arg Gly (SEQ ID NO: 6)

CDR3: Glu Tyr Phe Phe Ser Phe Asp Val (SEQ ID NO: 7)

and/or complementarity determining regions (CDR1 to CDR3) of said VL chain have the following amino acid sequences:

CDR1: Arg Ala Ser Gln Asp Ile Arg Asn Trp Val Ala

(SEQ ID NO: 8)

CDR2: Asp Gly Ser Ser Leu Gln Ser (SEQ ID NO: 9)

CDR3: Gln Gln Ser Asp Ser Thr Pro Ile Thr Phe (SEQ  
ID NO: 10) .

Claims 12-20 (Canceled)

21. (Currently amended) ~~The gene fragment of claim~~  
~~11~~ A gene fragment coding for a single chain Fv (hereinafter  
referred to as "scFv") of a human anti-human IL-6 antibody  
that binds to human IL-6 and

to thereby block binding between IL-6 and its  
receptor,

said gene fragment consisting of a gene fragment  
coding for a VH chain of said human anti-human IL-6 antibody  
bound to a gene fragment coding for a VL chain of said human  
anti-human IL-6 antibody,

wherein said VH chain has the amino acid sequence  
depicted in SEQ ID NO: 2 and/or said VL chain has the amino  
acid sequence depicted in SEQ ID NO: 4.

22. (Currently amended) The gene fragment of claim  
21 wherein one or several amino acids are deleted, substituted  
or added in the amino acid sequences of said VH chain and/or

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said VL chain ~~ID NO: 10~~), wherein said VH chain and VL chain  
bind to human IL-6 to thereby block binding between IL-6 and  
its receptor.

Claims 23-33 (Canceled)